

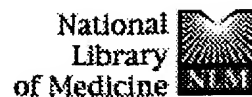
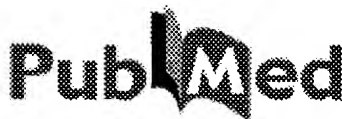
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J Biol Chem. 2000 Dec 15;275(50):39647-53.

PMID: 10993894 [PubMed - indexed for MEDLINE]

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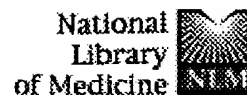
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☐ 1: [Klostermann A, Lutz B, Gertler F, Behl C.](#)

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The orthologous human and murine semaphorin 6A-1 proteins (SEMA6A-1/Sema6A-1) bind to the enabled/vasodilator-stimulated phosphoprotein-like protein (EVL) via a novel carboxyl-terminal zyxin-like domain.

J Biol Chem. 2000 Dec 15;275(50):39647-53.

PMID: 10993894 [PubMed - indexed for MEDLINE]

☐ 2: [Xu XM, Fisher DA, Zhou L, White FA, Ng S, Snider WD, Luo Y.](#)

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The transmembrane protein semaphorin 6A repels embryonic sympathetic axons.

J Neurosci. 2000 Apr 1;20(7):2638-48.

PMID: 10729344 [PubMed - indexed for MEDLINE]

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L2 16 DUP REM L1 (11 DUPLICATES REMOVED)

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L2 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
AN 2004:119870 CAPLUS
DN 140:158649
TI Sequence homologs of signaling and adhesion proteins from human with
possible therapeutic uses and cDNAs encoding them
IN Alsobrook, John; Anderson, David; Boldog, Ferenc; Burgess, Catherine;
Casman, Stacie; Edinger, Shlomit R.; Gerlach, Valerie; Grosse, William;
Guo, Xiaojia; Gusev, Vladimir; Ji, Weizhen; Larochelle, William; Lepley,
Denise; Li, Li; Liu, Xiaohong; MacDougall, John R.; Malyankar, Uriel M.;
Millet, Isabelle; Padigar, Muralidhara; Patturajan, Meera; Peyman, John
A.; Rastelli, Luca; Rieger, Daniel; Rothenberg, Mark E.; Shinkets,
Richard; Stone, David J.; Taupier, Raymond; Vernet, Corine; Zerhusen,
Bryan
PA USA
SO U.S. Pat. Appl. Publ., 199 pp., Cont.-in-part of U.S. Ser. No. 520,781.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 139

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 2000-520781	A2	20000308		
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	US 2002-402207P	P	20020809		
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	US 2002-420860P	P	20021024		
	US 2003-443062P	P	20030128		
	US 2003-403676	A2	20030331		

L2 ANSWER 2 OF 16 USPATFULL on STN
AN 2004:25135 USPATFULL
TI semaphorin-like proteins and methods of using same
IN Alvarez, Enrique, Clinton, CT, UNITED STATES

Anderson, David W., Plantsville, CT, UNITED STATES
Dhanabal, Mohanraj, Branford, CT, UNITED STATES
Khramtsov, Nikolai V., Branford, CT, UNITED STATES
LaRoche, William J., Madison, CT, UNITED STATES
Lichenstein, Henri S., Guilford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Ooi, Chean Eng, Branford, CT, UNITED STATES
Padigar, Muralidhara, Branford, CT, UNITED STATES
Shimkets, Richard A., Guilford, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES

PI US 2004018977 A1 20040129
AI US 2003-449548 A1 20030530 (10)
RLI Continuation-in-part of Ser. No. US 2000-520781, filed on 8 Mar 2000,
PENDING Continuation-in-part of Ser. No. US 2003-403676, filed on 31 Mar
2003, PENDING
PRAI US 1999-123667P 19990309 (60)
US 2002-371002P 20020409 (60)
US 2002-384798P 20020530 (60)
US 2002-402407P 20020809 (60)
US 2003-443062P 20030128 (60)
DT Utility
FS APPLICATION
LN.CNT 12402
INCL INCLM: 514/012.000
INCLS: 435/366.000; 435/372.000; 514/044.000
NCL NCLM: 514/012.000
NCLS: 435/366.000; 435/372.000; 514/044.000
IC [7]
ICM: A61K038-17
ICS: A61K048-00; C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
AN 2003:972338 CAPLUS
DN 140:35905
TI Semaphorin-like proteins (NOV2) and cDNA sequences and methods of using
same for modulating angiogenesis, cell motility, and actin filament
formation
IN Alvarez, Enrique; Anderson, David W.; Dhanabal, Mohanraj; Khramtsov,
Nikolai V.; LaRoche, William J.; Lichenstein, Henri S.; Li, Li; Ooi,
Chean Eng; Padigar, Muralidhara; Shimkets, Richard A.; Zhong, Mei
PA Curagen Corporation, USA; Li, Li; et al.
SO PCT Int. Appl., 197 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 139

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003102584	A2	20031211	WO 2003-US17412	20030530
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	US 2000-520781	A2	20000308		

L2 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
AN 2003:818529 CAPLUS
DN 139:318454
TI Human cDNA sequences and their encoded proteins and diagnostic and
therapeutic uses
IN Alsobrook, John P., II; Anderson, David W.; Boldog, Ferenc L.; Burgess,

Catherine E.; Casman, Stacie J.; Edinger, Shlomit R.; Gerlach, Valerie L.;
Grosse, William M.

PA Curagen Corporation, USA

SO PCT Int. Appl., 324 pp.

CODEN: PIXXD2

DT Patent

LA English

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	US 2001-279856P	P	20010329		
	US 2001-898994	A1	20010703		
	US 2001-303168P	P	20010705		

L2 ANSWER 5 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 2002:139322 BIOSIS

DN PREV200200139322

TI Doing (F/L)PPPPs: EVH1 domains and their proline-rich partners in cell polarity and migration.

AU Renfranz, Patricia J. [Reprint author]; Beckerle, Mary C. [Reprint author]

CS Department of Biology and Huntsman Cancer Institute, University of Utah, 2000 East Circle of Hope, Salt Lake City, UT, 84112-5550, USA

mary.beckerle@hci.utah.edu

SO Current opinion in Cell Biology, (February, 2002) Vol. 14, No. 1, pp. 88-103. print.

CODEN: COCBE3. ISSN: 0955-0674.

DT Article

General Review; (Literature Review)

LA English

ED Entered STN: 6 Feb 2002

Last Updated on STN: 26 Feb 2002

L2 ANSWER 6 OF 16 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 2000-10590 BIOTECHDS

TI Nucleic acid coding for human ***semaphorin*** - ***6A*** - ***1***
used as diagnostic agent, therapeutic agent, for modulating immune system, in gene therapy or for effecting differentiation, cytoskeletal

stabilization and/or plasticity;
 plasmid-mediated recombinant protein gene transfer
 AU Behl C; Klostermann A
 PA Max-Planck-Soc.
 LO Munich, Germany.
 PI WO 2000031252 2 Jun 2000
 AI WO 1999-EP9215 26 Nov 1999
 PRAI EP 1998-122441 26 Nov 1998
 DT Patent
 LA English
 OS WPI: 2000-400065 [34]

L2 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 DUPLICATE 5
 AN 2001:61173 BIOSIS
 DN PREV200100061173
 TI The orthologous human and murine ***semaphorin*** ***6A*** -
 1 proteins (SEMA6A-1/Sema6A-1) bind to the enabled/vasodilator-
 stimulated phosphoprotein-like protein (EVL) via a novel carboxyl-terminal
 zyxin-like domain.
 AU Klostermann, Andreas; Lutz, Beat; Gertler, Frank; Behl, Christian [Reprint
 author]
 CS Independent Research Group Neurodegeneration, MPI of Psychiatry,
 Kraepelinstrasse 2, 80804, Munich, Germany
 chris@mpipsy.kl.mpg.de
 SO Journal of Biological Chemistry, (December 15, 2000) Vol. 275, No. 50, pp.
 39647-39653. print.
 CODEN: JBCHA3. ISSN: 0021-9258.
 DT Article
 LA English
 OS Genbank-AF28866
 ED Entered STN: 31 Jan 2001
 Last Updated on STN: 15 Feb 2002

L2 ANSWER 8 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAY71461 peptide DGENE
 TI Nucleic acid coding for human ***semaphorin*** ***6A*** - ***1***
 used as diagnostic agent, therapeutic agent, for modulating immune
 system, in gene therapy or for effecting differentiation, cytoskeletal
 stabilization and/or plasticity -
 IN Behl C; Klostermann A
 PA (PLAC) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.
 PI WO 2000031252 A1 20000602 53p
 AI WO 1999-EP9215 19991126
 PRAI EP 1998-122441 19981126
 DT Patent
 LA English
 OS 2000-400065 [34]
 CR N-PSDB: AAD01234
 DESC Binding domain of human ***semaphorin*** ***6A*** - ***1*** .

L2 ANSWER 9 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAY71460 Protein DGENE
 TI Nucleic acid coding for human ***semaphorin*** ***6A*** - ***1***
 used as diagnostic agent, therapeutic agent, for modulating immune
 system, in gene therapy or for effecting differentiation, cytoskeletal
 stabilization and/or plasticity -
 IN Behl C; Klostermann A
 PA (PLAC) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.
 PI WO 2000031252 A1 20000602 53p
 AI WO 1999-EP9215 19991126
 PRAI EP 1998-122441 19981126
 DT Patent
 LA English
 OS 2000-400065 [34]
 CR N-PSDB: AAD01233
 DESC Human ***semaphorin*** ***6A*** - ***1*** .

L2 ANSWER 10 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAD01234 DNA DGENE
 TI Nucleic acid coding for human ***semaphorin*** ***6A*** - ***1***
 used as diagnostic agent, therapeutic agent, for modulating immune
 system, in gene therapy or for effecting differentiation, cytoskeletal
 stabilization and/or plasticity -
 IN Behl C; Klostermann A
 PA (PLAC) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.

PI WO 2000031252 A1 20000602 53p
 AI WO 1999-EP9215 19991126
 PRAI EP 1998-122441 19981126
 DT Patent
 LA English
 OS 2000-400065 [34]
 CR P-PSDB: AAY71461
 DESC DNA encoding binding domain of human ***semaphorin*** ***6A*** -
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L2 ANSWER 11 OF 16 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
 AN AAD01233 DNA DGENE
 TI Nucleic acid coding for human ***semaphorin*** ***6A*** - ***1***
 used as diagnostic agent, therapeutic agent, for modulating immune
 system, in gene therapy or for effecting differentiation, cytoskeletal
 stabilization and/or plasticity -

IN Behl C; Klostermann A
 PA (PLAC) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN.
 PI WO 2000031252 A1 20000602 53p
 AI WO 1999-EP9215 19991126
 PRAI EP 1998-122441 19981126
 DT Patent
 LA English
 OS 2000-400065 [34]
 CR P-PSDB: AAY71460
 DESC Human ***semaphorin*** ***6A*** - ***1*** cDNA.

L2 ANSWER 12 OF 16 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AF288666 GenBank (R)
 GenBank ACC. NO. (GBN): AF288666
 GenBank VERSION (VER): AF288666.1 GI:11093908
 CAS REGISTRY NO. (RN): 301990-09-0
 SEQUENCE LENGTH (SQL): 3018
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Rodents
 DATE (DATE): 11 Dec 2000
 DEFINITION (DEF): Mus musculus axon guidance signal SEMA6A1 mRNA,
 complete cds.
 SOURCE:
 ORGANISM (ORGN): Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Rodentia;
 Sciurognathi; Muridae; Murinae; Mus
 NUCLEIC ACID COUNT (NA): 774 a 859 c 744 g 641 t
 REFERENCE:
 1 (bases 1 to 3018)
 AUTHOR (AU): Klostermann,A.; Lutz,B.; Gertler,F.; Behl,C.
 TITLE (TI): The orthologous human and murine ***semaphorin***
 6A - ***1*** proteins (SEMA6A-1/Sema6A-1)
 bind to the enabled/vasodilator-stimulated
 phosphoprotein-like protein (EVL) via a novel
 carboxyl-terminal zyxin-like domain
 J. Biol. Chem., 275 (50), 39647-39653 (2000)
 JOURNAL (SO):
 OTHER SOURCE (OS): CA 134:189679
 REFERENCE:
 2 (bases 1 to 3018)
 AUTHOR (AU): Klostermann,A.; Behl,C.
 TITLE (TI): Direct Submission
 JOURNAL (SO): Submitted (21-JUL-2000) Independent Research Group
 Neurodegeneration, MPI of Psychiatry, Kraepelinstrasse
 2-10, Munich 80804, Germany

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L2 ANSWER 13 OF 16 GENBANK.RTM. COPYRIGHT 2004 on STN

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LOCUS (LOC):                AF279656      GenBank (R)
GenBank ACC. NO. (GBN):    AF279656
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CAS REGISTRY NO. (RN):     386088-74-0
SEQUENCE LENGTH (SQL):     3862
MOLECULE TYPE (CI):        mRNA; linear
DIVISION CODE (CI):        Primates
DATE (DATE):               11 Dec 2000
DEFINITION (DEF):          Homo sapiens semaphorin SEMA6A1 mRNA, complete cds.
SOURCE:                    human.
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  AUTHOR (AU):              Klostermann,A.; Lutz,B.; Gertler,F.; Behl,C.
  TITLE (TI):               The orthologous human and murine ***semaphorin***
                             ***6A*** - ***1*** proteins (SEMA6A-1/Sema6A-1)
                             bind to the enabled/vasodilator-stimulated
                             phosphoprotein-like protein (EVL) via a novel
                             carboxyl-terminal zyxin-like domain
  JOURNAL (SO):             J. Biol. Chem., 275 (50), 39647-39653 (2000)
  OTHER SOURCE (OS):        CA 134:189679
REFERENCE:                  2 (bases 1 to 3862)
  AUTHOR (AU):              Klostermann,A.; Lutz,B.; Gertler,F.; Behl,C.
  TITLE (TI):               Direct Submission
  JOURNAL (SO):             Submitted (19-JUN-2000) Independent Research Group
                             Neurodegeneration, MPI of Psychiatry, Kraepelinstrasse
                             2-10, Munich 80804, Germany

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LOCUS (LOC): AX026746 GenBank (R)
 GenBank ACC. NO. (GBN): AX026746
 GenBank VERSION (VER): AX026746.1 GI:10187890
 CAS REGISTRY NO. (RN): 386088-75-1
 SEQUENCE LENGTH (SQL): 3862
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 16 Sep 2000
 DEFINITION (DEF): Sequence 6 from Patent WO0031252.
 SOURCE:
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Hominidae; Homo
 NUCLEIC ACID COUNT (NA): 971 a 1111 c 967 g 813 t
 REFERENCE:
 AUTHOR (AU): Klostermann,A.; Behl,C.
 TITLE (TI): Human ***semaphorin*** ***6a*** - ***1***
 (sema6a-a), a gene involved in neuronal development and
 regeneration mechanisms during apoptosis, and its use
 as a potential drug target
 JOURNAL (SO): Patent: WO 0031252-A 6 02-JUN-2000; KLOSTERMANN ANDREAS
 (DE); MAX PLANCK GESELLSCHAFT (DE); BEHL CHRISTIAN
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FEATURES (FEAT):

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SEQUENCE LENGTH (SQL): 216
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 16 Sep 2000
 DEFINITION (DEF): Sequence 3 from Patent W00031252.
 SOURCE: human.
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Hominidae; Homo

NUCLEIC ACID COUNT (NA): 45 a 85 c 51 g 35 t
 REFERENCE: 1 (bases 1 to 216)
 AUTHOR (AU): Klostermann,A.; Behl,C.
 TITLE (TI): Human ***semaphorin*** ***6a*** - ***1***
 (sema6a-a), a gene involved in neuronal development and
 regeneration mechanisms during apoptosis, and its use
 as a potential drug target
 JOURNAL (SO): Patent: WO 0031252-A 3 02-JUN-2000; KLOSTERMANN ANDREAS
 (DE) ; MAX PLANCK GESELLSCHAFT (DE) ; BEHL CHRISTIAN
 (DE)

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L2 ANSWER 16 OF 16 GENBANK.RTM. COPYRIGHT 2004 on STN

LOCUS (LOC): AX026741 GenBank (R)
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 GenBank VERSION (VER): AX026741.1 GI:10187886
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 SEQUENCE LENGTH (SQL): 3093
 MOLECULE TYPE (CI): DNA; linear
 DIVISION CODE (CI): Patent
 DATE (DATE): 16 Sep 2000
 DEFINITION (DEF): Sequence 1 from Patent W00031252.
 SOURCE: human.
 ORGANISM (ORGN): Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini;
 Hominidae; Homo

NUCLEIC ACID COUNT (NA): 813 a 855 c 765 g 660 t
 REFERENCE: 1 (bases 1 to 3093)
 AUTHOR (AU): Klostermann,A.; Behl,C.
 TITLE (TI): Human ***semaphorin*** ***6a*** - ***1***
 (sema6a-a), a gene involved in neuronal development and
 regeneration mechanisms during apoptosis, and its use
 as a potential drug target
 JOURNAL (SO): Patent: WO 0031252-A 1 02-JUN-2000; KLOSTERMANN ANDREAS
 (DE) ; MAX PLANCK GESELLSCHAFT (DE) ; BEHL CHRISTIAN
 (DE)

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STN INTERNATIONAL LOGOFF AT 11:22:58 ON 26 MAY 2004